



CP/2828

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of: **KOBAYASHI, Hirohiko et al.**

Group Art Unit: **2828**

Serial No.: **09/805,182**

Examiner: **J. MENEFEE**

Filed: **March 14, 2001**

P.T.O. Confirmation No.: 2824

For: **COMPLEX COUPLING MQW SEMICONDUCTOR LASER**

**AMENDMENT UNDER 37 CFR §1.111**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated **August 12, 2002**, please amend the above identified application as follows:

**IN THE CLAIMS:**

AMEND claim 1 to read as follows:

- See C1 A1*
1. (Amended) A distributed feedback semiconductor laser, comprising:  
a lower quantum well structure extending along a resonator direction, said lower quantum well structure having a lamination of alternately stacked lower barrier layer and lower well layer having a band gap narrower than the lower barrier layer;  
an intermediate layer disposed on said lower quantum well structure, said intermediate layer having a band gap broader than the lower well layer and a thickness thicker than the lower barrier layer; and

9#/amdta  
October 24, 2002

10/31/02

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